APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,461	10/31/2003	Gus Rashid	3520-219US	2255

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EXAMINER
DUNN, DARRIN D

ART UNIT	PAPER NUMBER
2121	

MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

		Application No.	**Applicant(s)**
Office Action Summary		10/699,461	RASHID ET AL.
		Examiner	**Art Unit**	
		Darrin Dunn	2121	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>31 October 2003</u>.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-20</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-20</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☒ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>31 October 2003</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some *   c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>10/31/2003</u>.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

DETAILED ACTION

1.   This Office Action is responsive to the communication filed on 10/31/2003.

2.   Claims 1-20 have been presented for examination.

Claim Objections

3.   Claims 2 and 12 are objected to because of the following informalities: It is suggested

that [establishes] should be [establishing] Appropriate correction is required.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5.   Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Shi et al. (USPN

7032003).

6.   As per claims 1 and 11, Shi et al. teaches a method for synchronizing data in a local

database with data in a central database, wherein the local database and the central database are

each capable of having been changed independently of any synchronization of the local and

central databases, said local database contained on a client device, and said central database

contained on a central computer, the comprising the steps of:

establishing a communication path –115 ([FIG 1]) between said local database - [(COL

10 line 11]) and said central database –([COL 10 line 13]) through a server;

transmitting data – 503 – 507 ([FIG 5], [COL 10 lines 40-43]) over said communication

path to a receiving location – centralized server database ([COL 10 line 13]); and

synchronizing said transmitted data – 511, 513 ([FIG 5], [COL 12 lines 21-23]) with a

database contained at said receiving location.

7.   As per claims 2 and 12, Shi et al. teaches the method of claim 1 wherein said step of

establishing a communication path comprises establishing a communication link over a wireless

communication network – ([COL 4 line 56])

8.   As per claims 3 and 13, Shi et al. teaches the method of claim 1 wherein the step of

establishing a communication path comprises establishing a communication link over a wired

message-based communication network – LAN ([COL 5 lines 5-12])

9.   As per claims 4 and 14, Shi et al. teaches the method of claim 1 further comprising:

a full synchronization operation – ([COL 9 lines 37-38]) being performed wherein said

local database is said database contained at said receiving location – PDA ([COL 10 lines 10-15]

e.g., examiner's interprets that receiving location may be either a client or server.); and wherein

said transmitted data – updating PDA database ([COL 10 lines 10-15]) comprises data on the

central computer pertaining to the local database.

10.   As per claims 5 and 15, Shi et al. teaches the method of claim 4, wherein the client device

contains a transaction queue, the method comprising the step of verifying that no entries are

present in said transaction queue before said transmitting and said synchronization steps are

performed ([COL 11 lines 63-67])

11.   As per claims 6 and 16, Shi et al. teaches the method of claim 1, where said client device

contains a transaction queue –synchronization queue ([COL 11 line 54]), the method further

comprising a transaction synchronization operation ([FIG 5]) being performed wherein said

central database is said database contained at said receiving location –centralized server database

([COL 10 line 13]); and wherein said transmitted data comprises data present in the transaction

queue ([COL 11 lines 63-67])

12.   As per claims 7 and 17, Shi et al. teaches the method of claim 6, wherein the method

further comprises the steps of:

    initiating a background synchronization request by a user –910 ([FIG 9]) ; and

    once initiated, requesting active participation by the user only if an error condition requires it

([COL 17 lines 7-10]).

13.   As per claims 8 and 18, Shi et al, teaches the method of claim 6 further comprising the

steps of:

        maintaining a temporary client primary key value for entries in said transaction queue –

([COL 16 lines 11-15]); and replacing said temporary client primary key value with a server

primary key value during said transaction synchronization operation ([COL 16 lines 37-40])

14.   As per claims 9 and 19, Shi et al. teaches the method of claim 1 further comprising the

step of loading run-time software components onto both said central computer and said client

device – ([COL 5 lines 49-52]) said run-time software components capable of performing said

synchronization step.

15.   As per claims 10 and 20, Shi et al. teaches the method of claim 9 further comprising the

steps of:

generating application programs - 301-303 ([FIG 3] e.g. client side) & 405-407 [(FIG 4)

e.g. server side] capable of offline processing functions – off line mode ([COL 11 lines 48-52]),

and further capable of utilizing said run-time software components; and

loading said application programs onto both said central computer and said client device

(FIG 3-4])

Conclusion

16.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

6643669 – Method for Optimization of Synchronization between a client and a server

6757696 – Management Server for Synchronization System

6810405 – System and Methods for Synchronizing Data Between Multiple Datasets

20060248232 – Simplified Application Object Data Synchronization for Optimized Data Storage
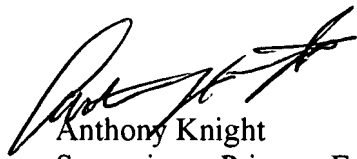

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Darrin Dunn whose telephone number is (571) 270-1645. The

examiner can normally be reached on EST:M-R(8:00-5:00) 9/5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Anthony Knight can be reached on (571) 272-3687. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DD
07/24/2007

Anthony Knight
Supervisory Primary Examiner
Art Unit 2121